

Translation

PATENT COOPERATION TREATY

PCT/EP2003/004465



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

07 DEC 2004

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P26629/WO Kf	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/EP2003/004465	International filing date (day/month/year) 29 April 2003 (29.04.2003)	Priority date (day/month/year) 14 June 2002 (14.06.2002)
International Patent Classification (IPC) or national classification and IPC H04B 17/00		
Applicant ROHDE & SCHWARZ GMBH & CO. KG		

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 4 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
 - ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - ☐ (sent to the International Bureau only) a total of _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

- This report contains indications relating to the following items:

- ☒ Box No. I Basis of the report
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

Date of submission of the demand 16 October 2003 (16.10.2003)	Date of completion of this report 23 March 2004 (23.03.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International Application No.

PCT/EP2003/004465

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language _____, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

☒ The international application as originally filed/furnished

☒ the description:

pages _____ 1-10 _____, as originally filed/furnished
 pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____

☒ the claims:

pages _____ 1-11 _____, as originally filed/furnished
 pages* _____, as amended (together with any statement) under Article 19
 pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____

☒ the drawings:

pages _____ 1/6-6/6 _____, as originally filed/furnished
 pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/04465

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-11	YES
	Claims		NO
Inventive step (IS)	Claims	1-11	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims		NO

2. Citations and explanations

1. Reference is made to the following documents:

D1: US-B1-6 219 340 (NEELEY JOHN E ET AL) 17 April 2001
(2001-04-17)

D2: EP-A-1 304 822 (ADVANTEST CORP) 23 April 2003
(2003-04-23) & WO 01/095535 13 December 2001 (in
Japanese)

2. The application relates to a method for displaying the power levels for code channels of a CDMA signal that contains code channels with different spreading factors and to a signal analyzer (claim 7).

The closest prior art is document D1 (see the description, pages 1 and 2).

3. Problem: Distinguishing a power level that is actually originating from an active code channel from an "alias power level", in other words, making it possible to measure the power level for a code channel with a higher spreading code.

Solution: The above problem is solved by identifying code channels having an alias power level when the code

channel with the base spreading factor is inactive and a corresponding code channel with a higher spreading factor is active.

4. Although the inactive code channels are represented in the signal analyzer known from document D1, the code channels with an alias power level are not identified.

This feature is also not known from or suggested by the other search report citations.

Document D2 discloses the calculation and representation of a signal power coefficient and of a noise power coefficient of a CDMA signal for each channel.

Therefore, the subject matter of claims 1 and 7 is novel and inventive and thus satisfies the requirements of PCT Article 33(2) and (3).